

## ABSTRACT

A power supply voltage control section 200 is provided with an adder 11 that adds together a baseband amplitude modulation signal 101 and a negative feedback signal, an integrator 12 that integrates the output of adder 11, a quantizer 13 that quantizes the output of integrator 12, and a low pass filter 14 that eliminates quantization noise from the output of quantizer 13, together with a compensator 15 that has an inverse characteristic of low pass filter 14 or a characteristic approximating thereto and performs compensation of the feedback amount of the negative feedback signal.